

TULE MARSH INFORMATION

The following Cities ARE CURRENTLY USING A MARSH PROJECT WITH THEIR WASTE WATER TREATMENT SYSTEM.

1. ARCATA, CALIF.
2. DAVIS, CALIF
3. ELKGROVE, CALIF.
4. The GUSTINE, CALIF (AREA)

Both CHUCK WILLIAMS of the ELKGROVE FACILITY AND STEVE TAYLOR of the ARCATA FACILITY HAVE EXTENDED TO ME, TO GIVE TO ALL CONGRESSMEN, SENATORS AND ASSEMBLYMEN A WARM AND WELCOME INVITATION TO COME AND SEE WHAT A TULE MARSH PROJECT CAN DO.

STEVE TAYLOR EX. Director of the ARCATA FACILITY SAID: "COME ON UP AND I WILL GIVE YOU A PERSONAL GUIDED TOUR AND SHOW THAT IT REALLY WORKS!" EX. Director CHUCK WILLIAMS SAID THE SAME.

THE DELTA: THE EXCESS OF
NITROGEN AND PHOSPHOROUS
(PHOSPHATE)

The EXCESS of Nitrogen and phosphorous in the DELTA WATER Deprives the water of MUCH NEEDED OXYGEN (O₂). It ALSO ACTS AS the "fertilizer" which gives birth TO EXCESSIVE PLANT (Hydrilla) AND ALGAE GROWTH.

The SOURCE of EXCESSIVE Phosphorous/ Nitrogen COMES from the following AREAS

- 1) WASTE WATER TREATMENT PLANTS
- 2) AGRICULTURE
- 3) NON-SOURCE POINT
- 4) URBAN - STORM DRAINS

The GIANT HARDSTEM CALIFORNIA BULLRUSH Supplies MORE OXYGEN to its ROOT SYSTEM AND SOIL. MICROBES Proliferate there. A TULE MARSH MITIGATES the PROBLEM OF NITROGEN AND PHOSPHOROUS VERY NICELY.

THE "SOUP" IN THE DELTA AND UNDERGROUND AQUIFER

ALL NEWSPAPER ARTICLES / E.P.A REPORTS SINGLE OUT JUST ONE pollutant AS the culprit.

IN ONE RESPECT THIS IS GOOD BECAUSE

it FOCUSES the Public's Attention to this pollutant.

ON the other hand, it appears we have JUST ONE pollutant as the MAIN REASON for our WATER QUALITY DISASTER. The Focus Falls upon the "IN pollutant of the TIME." This could BE DIAZINON, PCB, PCE OR DDT, MERCURY OR ARSENIC ALTHOUGH EACH OF THESE (ALONE) ARE DEADLY.

THE REAL PROBLEM IS NOT AN EXCESS of this or that CHEMICAL COMPOUND. This way of Thinking ONLY MASKS the REAL PROBLEM.

The FREE RADICAL MIXING of these chemicals form other compounds that NO ONE KNOWS what they will DO.

This AREA of science is a "NO MAN'S LAND" AND it is this AREA that poses the GREATEST RISK TO PEOPLES HEALTH / THE ENVIRONMENT AND FUTURE WATER QUALITY.

THE "SOUP" AND HOW IT WORKS

VERY SIMPLY Put, it happens something like this:

EXAMPLES

1) phosphorous or nitrogen combined with

- SALT FROM THE DELTA COMBINE TO FORM
 • A NEW AND DIFFERENT COMPOUND.
- 2) SIMPLE CLEANING AGENTS COMBINED WITH SALT FROM THE DELTA FORM ANOTHER COMPOUND. (CAL-FED RESEARCH)
 - 3) WHAT HAPPENS WHEN DIAZINON COMBINES WITH MERCURY OR ARSENIC??
 - 4) OR PCE COMBINES WITH DIAZINON OR DDT.?? OR FUEL OIL??
 - 5) THESE COMBINATIONS ARE ENDLESS IN OUR "ALPHA BET SOUP"
- They happen by chemical breakdown AND FREE RADICAL COMBINATIONS

REFERENCE: U.C. DAVIS Hydrology DEPT PEOPLE.

THE LIST IS ENDLESS AND SHOULD BE A VERY MAJOR, MAJOR CONCERN TO EVERY PERSON IN THE STATE OF CALIFORNIA BECAUSE ALL OF THESE CHEMICALS ARE IN OUR DRINKING WATER AND UNDER GROUND AQUIFER.

* IT DOESN'T MATTER (IT'S OF NO SIGNIFICANCE) THAT ALL THESE CHEMICALS ARE WITHIN STATE/FEDERAL GUIDELINES OF "SAFE" SO MANY P.P.M.

IT IS FREE RADICAL COMBINATIONS THAT NOW EQUAL AN ABUNDANCE OF CHEMICAL COMPOUNDS THAT CAUSE HUMAN HEALTH PROBLEMS!

REMEMBER the Keysterson Disaster in CALIFORNIA. That was JUST ONE CHEMICAL SELENIUM that CAUSED all the Birth Defects AND MUTATIONS in WATER FOWL / Wildlife.

REMEMBER DDT CAUSING thin egg shell "NO HATCHES" in BOLD EAGLES, PERRIGRINE FALCONS AND OTHER RAPTORS. That was JUST ONE CHEMICAL D.D.T.

WE KNOW LEAD CAUSES SLOW/OR RETARDED BRAIN FUNCTION

MERCURY ALSO has the same affect ON the HUMAN BRAIN. IN FRANCE 1880-1890's it was found to be the culprit in "MAD HATTERS DISEASE" (INSANITY) in the people USING MERCURY in the Felting process for HAT MANUFACTURING.

The LATEST STUDIES BY the CANADIAN GOVERNMENT IN VIETNAM FOCUS ON AGENT ORANGE. It is affecting 2nd AND 3rd Generation children of Military VETERANS (NORTH VIETNAMESE) WITH MUTATION BORN WITH MISSING LIMBS / BRAIN DYSFUNCTION OR CANCERS

AGAIN JUST ONE CHEMICAL COMPOUND

AGENT ORANGE WAS SPRAYED IN OUR NATIONAL FORESTS TO CONTROL BROADLEAF

Vegetation, so conifer trees would have better growth.

WE STILL HAVE IT IN OUR SOIL AND WATER (HERE IN CALIFORNIA)

RUSSIA the LATEST TRAVEL PROGRAM I watched on CH 6 SHOWED AND TALKED about the INDUSTRIAL POLLUTION in the VOLGA RIVER. It showed the HOSPITALS with DEFORMED / OR BRAIN DAMAGED CHILDREN AS THE VICTIMS of this pollution. SOME WARDS were AS HIGH AS 75% CHILDREN born with Deformities directly RELATED TO INDUSTRIAL POLLUTION

WATER AND FISH UNSAFE FOR PEOPLE. RUSSIA PUT ALL OF ITS RESOURCES INTO MILITARY - NOT ENVIRONMENT

WE HAVE OUR OWN "HOT SPOTS" here in the UNITED STATES TO CONSIDER.

1. HONOLULU, WASHINGTON
2. LAST 100 MILES of the MISSISSIPPI RIVER IS CALLED "CANCER ALLEY" and the POLLUTION HAS STERILIZED 800 sq miles of the GULF of MEXICO
3. IDAHO - CLUSTER CANCER
4. LATHROP, CALIF. - CLUSTER CANCER - AND TOXIC DRINKING WELLS.
5. The CENTRAL Valley (THIS AREA)
E.P.A 10yrs Ago SAID 1 out of 10 DRINKING WELLS WAS TOXIC. NOW ITS 2 out of 10 DRINKING WELLS ARE TOXIC.
6. SAN FRANCISCO BAY / ESTUARY / the DELTA.

7. Pesticide use has been connected to

the rise in Parkinson Disease / and of

COURE CANCER AND BRAIN TUMORS AND COURE.

Question: Can our water quality be

the culprit in the rise in

ADD in our school children?

Question: Can our water quality be the

culprit (or one of the culprits)

why California children perform

so poorly in school?

WHERE DO I FIND HOPE FOR NOW AND
the future.

1. CBL-FED

2. EDUCATION AND Public Awareness

A. EDUCATION starting with the young

B. Public Information NEWS PAPERS

T.V. MORE availability

* - C. The EDUCATION of ALL Public

ELECTED REPRESENTATIVES

IN the STATE of CALIFORNIA

Problem

3. E.P.A D.W.R. WATER quality Board

4. STATE / FEDERAL / LOCAL AGENCIES

5. The People of CALIFORNIA SHOULD

BE INFORMED

I FIND HOPE in the plan outlined
in the Beginning.

1. Ring the Delta with Tule Marshes to clean waste water (Treated Grey Water) and establish a clean water ground recharge. To keep Delta salt intrusion (and Pollution) out of our underground water aquifer. This creates a Buffer between Delta salt water and underground drinking water.
2. The flood canal back along the foot hills to the east with floodout Tule Marsh recharge areas will fill underground aquifer and most importantly DILUTE the chemicals that are already found there.

REMEMBER IN A DROUGHT CYCLE these chemicals become MORE CONCENTRATED. MORE TOXIC BY COLUMN.

3. DR LISA ROSS (STATE PESTICIDE CONTROL) HAS FOUND THAT A MERE 5ft VEGETATIVE BARRIER WORKS AS A SIEVE COMPLETELY/EFFECTIVELY DISSIPATING DI AZINON

A TULE MARSH WILL EFFECTIVELY "OUT GASS" THIS PESTICIDE.
I FIND HOPE IN THIS

4. With Tule Marshes we can begin to pull SOME of these chemicals out of the environment and our water.

ThereFORE LESSENING the TOXIC LOAD
TO the DELTA AND SAN FRANCISCO BAY

5. STORM DRAINS (which ARE vehicles
TO UNLOAD A LOT of AIR BORN
Pollution INTO OUR WATER WAYS FROM
ROADS, URBAN AREAS, ROOFTOPS AND
PARKING LOTS.

INTERRUPT THEM AND INSTALL
A TULE MARSH.

6. IF IN the FUTURE these TULE
MARSHES ARE FOUND TO BE TOXIC DUMP
* SITES. (they will collect Heavy METALS
AND ENTOMB them / pesticides ALSO)
REFERENCE: CHESAPEAKE BAY AND D.D.T
ENTOMBED IN TULE MARSHES AROUND the BAY.

USE NEW GENE CLONED ^{MICROBE} Technology TO
RESTORE them. A ACTIVE FORM of
BIO-REMEDIATION.

(SEE VIDEO TAPE FOR PROCESS IN ACTION)

7. This PROCESS could BE USED ON the
SAN JOAQUIN RIVER (the WORST RIVER
IN this Valley)

WE MUST USE the Technology we have
AT the Present TIME. WRITING FOR some
FUTURE / MAGIC Bullet Technology will BE
TOO LATE. WE HAVE the Technology TO

BEGIN BIOREMEDIATION of the Problem
NOW. IF ACTION is implemented
NOW PERHAPS WE CAN AVOID

TOXIC OVERLOAD in the Future.

DEAR SIR, AS you have READ this, I

ASK you TO Consider the Present and

Future Health of the people of California

AND your own children, grandchildren

OR GREAT GRANDCHILDREN. CLEAN DRINKING

WATER SHOULD HAVE EVERYONE'S BEST EFFORTS.

THANK YOU,

DON KRAFT

This is just ONE plan. Perhaps you and
your STAFF CAN USE this plan AND come up
with A BETTER PLAN

I AM SURE you could GET SUPPORT FOR this plan from the following AGENCIES

A. STATE AND FEDERAL AGENCIES

- 1. DEPARTMENT OF WATER RESOURCES
- 2. E. P. A
- 3. WATER QUALITY CONTROL BOARD
- 4. FLOOD CONTROL
 - 1. FEMA
 - 2. U.S. ARMY CORP
 - 3. BUREAU OF RECLAMATION
- 5. LOCAL WATER DISTRICTS (LODI)
- 6. WATER FOWL / WILDLIFE (PRIVATE)
 - A. Dept. of Fish and Game
 - B. Wildlife Conservation Board
 (CREATION OF NEW WETLANDS AND WILDLIFE HABITAT AT RECHARGE STATIONS)
- 7. The GENERAL PUBLIC

IF they WERE INFORMED of the PROBLEM.

AND I BELIEVE EVERY EFFORT SHOULD BE MADE BY OUR STATE GOVERNMENT TO INFORM the Public

This should HAVE BEEN DONE 20 YRS AGO.